

Amendments to the Specification:

Please add the section heading “BACKGROUND OF THE INVENTION” on page 1 after the title.

Please amend the section heading “Technical Field” on page 1 to read “Field of the Invention”.

Please amend the section heading “Background Art” on page 1 to read “Description of Related Art”.

Please amend the section heading “Disclosure of Invention” on page 3 to read “SUMMARY OF THE INVENTION”.

Please amend the section heading “Brief Description of Drawings” on page 4 to read “DESCRIPTION OF DRAWINGS”.

Please amend the section heading “Best Mode for Carrying Out the Invention” on page 5 to read “DETAILED DESCRIPTION”.

Please replace the paragraph at page 5, line 20-page 6, line 8 with the following amended paragraph:

In the cylinder block 350, refrigerant is compressed, discharged, and drawn. The piston 340 reciprocates inside of the cylinder block 350, to compress or draw the refrigerant. The crank shaft 310 rotates as the crank shaft receives a torque from the electric driving part 20 having a stator 21 and a rotor ~~2~~ 22, and has an eccentric part 320 at an end thereof. The eccentric part 320, eccentric from an axis of the crank shaft 310, rotates eccentric from an axis of rotation of the crank shaft 310. The connecting rod 330 has one end coupled to the piston 340 to be rotatable in left/right directions, and the other end coupled to the eccentric part 320 to be rotatable in left/right directions. Both ends of the connecting rod 330 have through holes with a coupling shaft 341 formed on the piston 340 and the eccentric part 320 inserted therein, respectively. The supplementary torque providing part slows down a speed of the piston 340 in compression of the refrigerant, and accelerates a speed of the piston 340 in drawing the refrigerant. Mounting positions and configurations of the supplementary torque providing parts will be described for each embodiment.

Please replace the paragraph at page 6, lines 18-23 with the following amended paragraph:

That is, the first elastic member 410 is a plate spring in contact with an outside circumferential surface of the eccentric part ~~340~~ 320 so that the first elastic member 410

provides a restoration force to the eccentric part 320 in a direction opposite to the moving direction of the piston 340 in compression of the refrigerant, and, particularly, the first elastic member 410 reaches to a state in which the first elastic member 410 is extended to maximum in a case the piston reaches to a top dead center.

Please replace the paragraph at page 7, lines 12-14 with the following amended paragraph:

According to this, the piston 340 reciprocates inside of the cylinder block 350, to ~~repeats~~ repeat a series of process in which the refrigerant is drawn into the cylinder block 350, compressed, and discharged.

Please replace the paragraph at page 9, lines 23-25 with the following amended paragraph:

According to this, the piston 340 reciprocates inside of the cylinder block 350, to ~~repeats~~ repeat a series of process in which the refrigerant is drawn into the cylinder block 350, compressed, and discharged.

Please replace the paragraph at page 11, lines 6-10 with the following amended paragraph:

Moreover, the supplementary torque providing part includes at least one third elastic member 430 having opposite ends connected to opposite surfaces of the first connecting part 331 and the second connecting part 332. The third elastic member ~~340~~ 430 is a plate spring, and connected to the connecting parts 331 and 332 with at least one of joining type, selected from bolt, screw, rivet, and welding.

Please replace the paragraph at page 12, lines 2-5 with the following amended paragraph:

Moreover, the reduction of lateral component (X-axis) force, the connecting rod 330 applies to the piston 340 in the compression, provides an advantage that a friction force between an outside side surface of the piston 340 and an inside side surface of the cylinder block 350 is reduced.

Please replace the paragraph at page 15, lines 12-15 with the following amended paragraph:

Moreover, as shown in FIG. 9B, since the connecting rod 330 does not bend at a top dead center, and as shown in FIG. 9C, the fourth elastic member 450 and the fifth elastic ~~members~~ member 460 bend a little by little in the re-expansion as the fourth elastic member 450

Serial No. **10/584,465**

Docket No. **K-0820**

Amdt. dated Proposed

Reply to Office Action of September 28, 2009

and the fifth elastic member 460 are restored in the re-expansion, to provide a force that makes the piston 340 ~~to~~ move down at a fast speed, the suction of the refrigerant becomes more easy.

Please delete the section heading “Industrial Applicability” on page 15.